A 32-year-old male with a history of IV drug and tobacco use presented to the Emergency department with blunt chest trauma. He had pre-existing pulmonary septic emboli and developed severe acute respiratory distress syndrome (ARDS) requiring intubation and veno-venous extracorporeal membrane oxygenation (ECMO). While on ECMO he developed bilateral pneumothoraces from ruptured blebs complicated by bilateral bronchopleural fistulae. CT scan was obtained that revealed small volume pneumopericardium as well as bilateral pneumothoraces (Figure 1). Corresponding chest X-ray is seen in Figure 2. Several days after ECMO decannulation the patient developed acute agitation and hemodynamic instability. A chest X-ray was obtained that revealed air in the pericardial sac, cardiac compression, and mediastinal shift consistent with tension pneumopericardium (Figure 3). He was taken emergently to the operating room for pericardial window and drain placement. He was returned to the surgical ICU in critical, but improved, condition. Though rare, tension pneumopericardium should be on the differential diagnosis for shock in patients with blunt chest trauma, emphysematous lung disease, or bronchopleural fistula.
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Footnote

Conflicts of Interest: Both authors have completed the ICMJE uniform disclosure form (available at http://dx.doi.org/10.21037/amj-20-65). The authors have no conflicts of interest to declare.

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